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Figure 1: Growth Curves of PA14 Wild Type, PA14 *toxA*⁻, and PA14 *gacA*⁻ grown in the MBEC™ Device

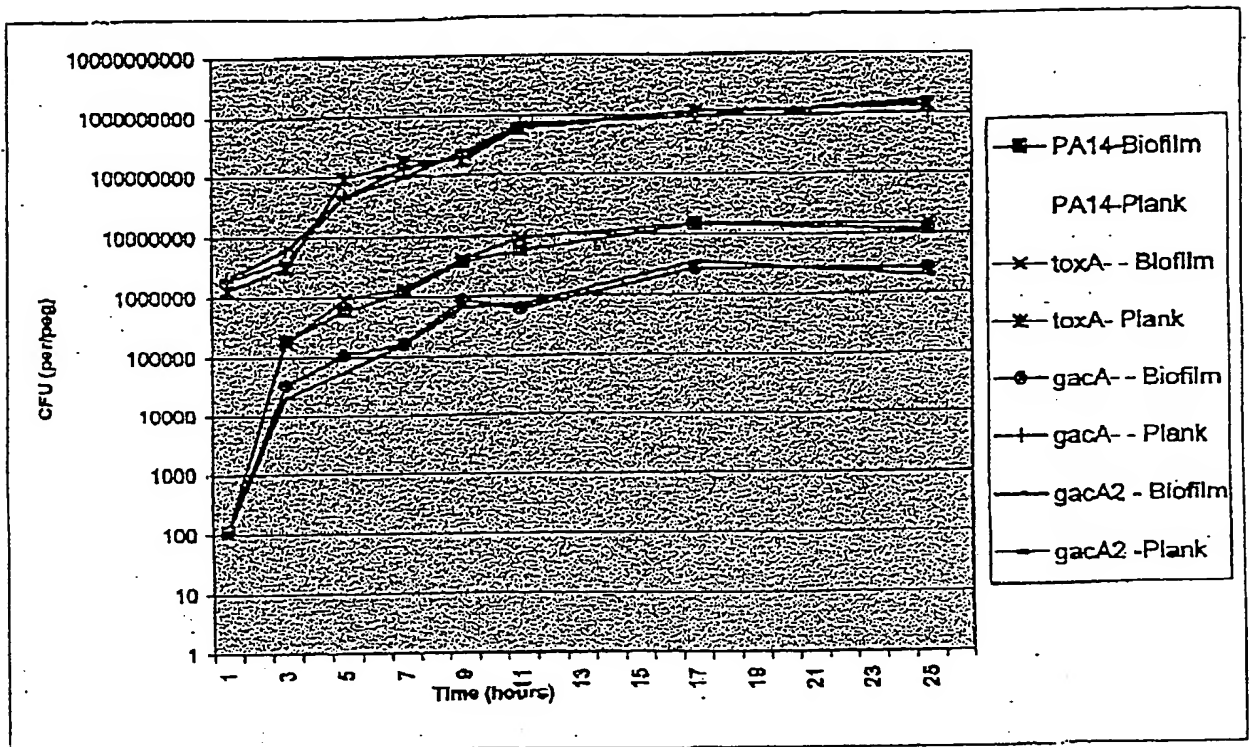


Figure 2: Growth Curves of PA14 Wild Type, PA14 *toxA*⁻, and PA14 *gacA*⁻ transformed with pGacA grown in the MBEC™ Device

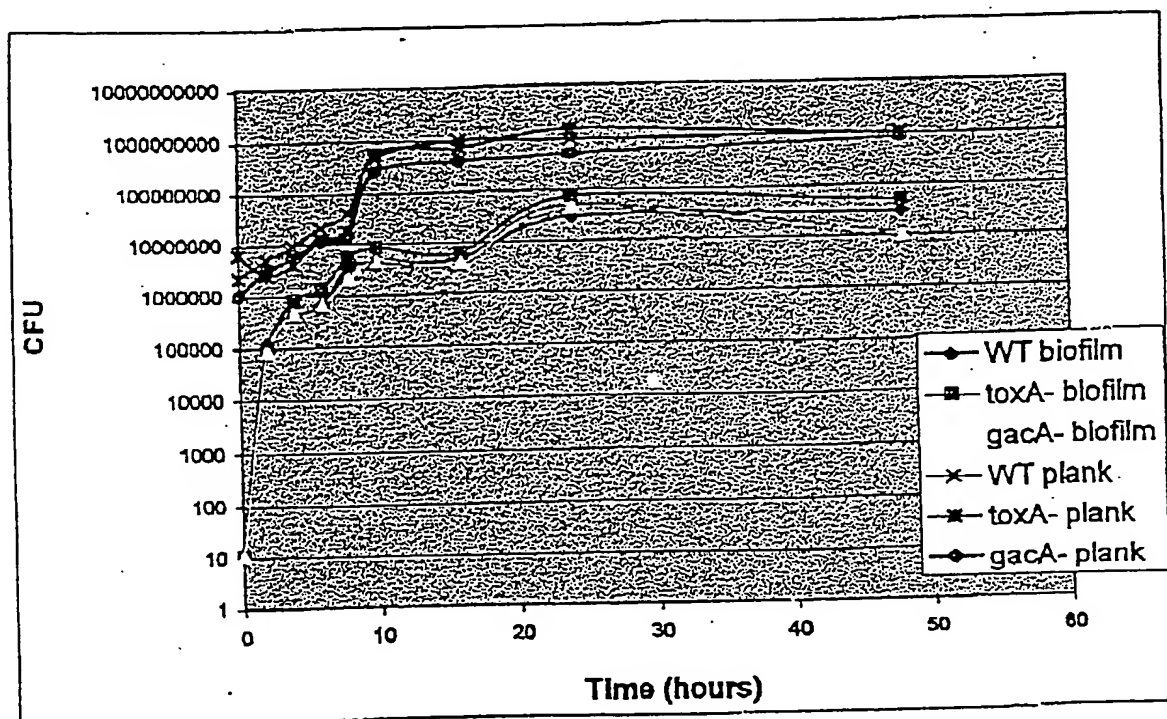
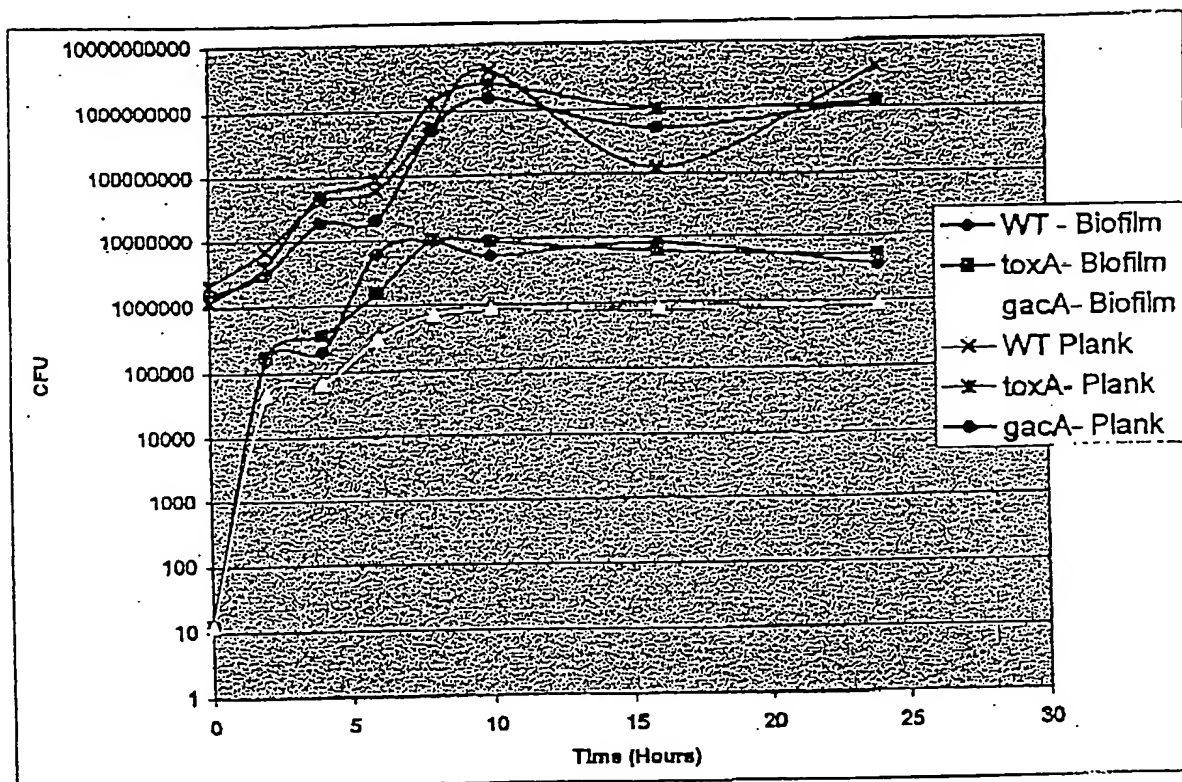
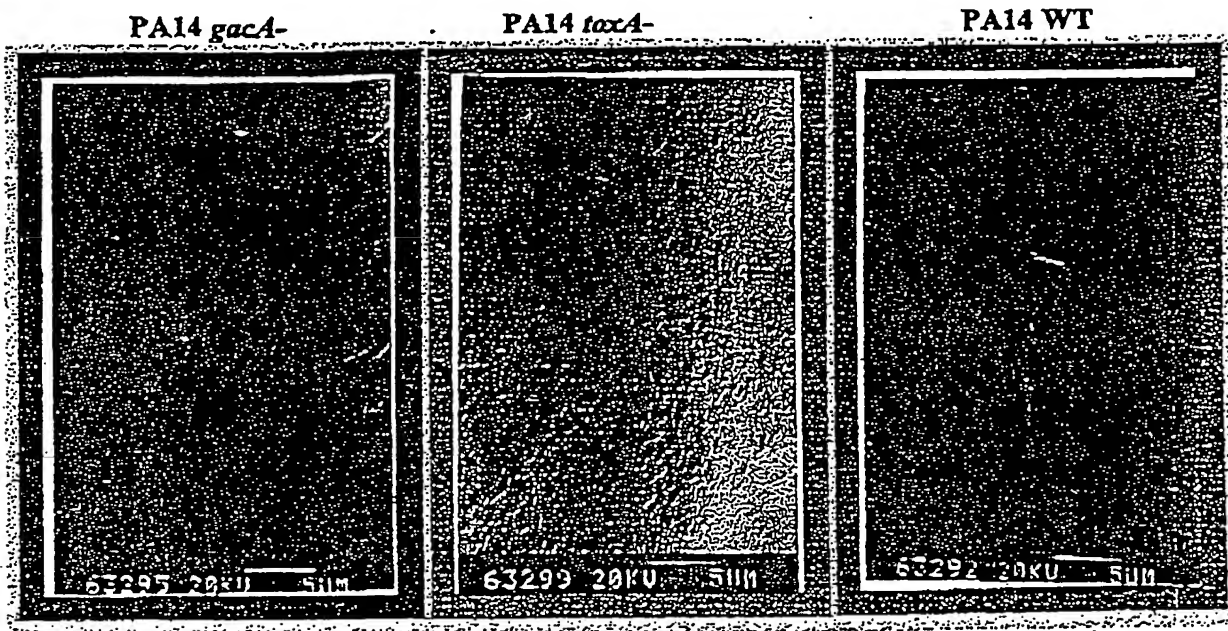


Figure 3: Growth Curves of PA14 Wild Type, PA14 *toxA*⁻, and PA14 *gacA*⁻ transformed with control plasmid pUCSF grown in the MBECTM Device



**Figure 4: Scanning Electron Micrographs of Biofilms
formed by *P. aeruginosa* PA14 WT, *toxA*⁻, *gacA*⁻**

High Magnification Scanning Electron Micrograph



Low Magnification Scanning Electron Micrograph

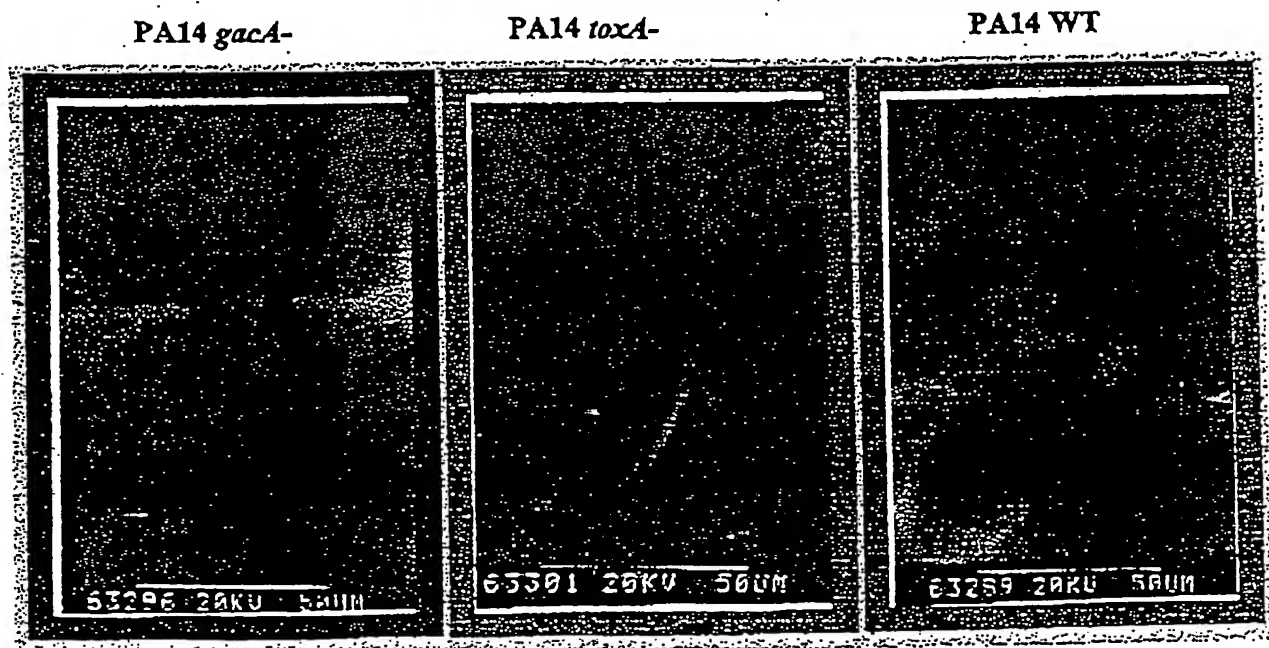


Figure 5: Growth Curves of PA14 Wild Type, PA14 *toxA*⁻, and PA14 *gacA*⁻ transformed with pMJG1.7 (multi-copy *lasR*) grown in the MBECTM Device

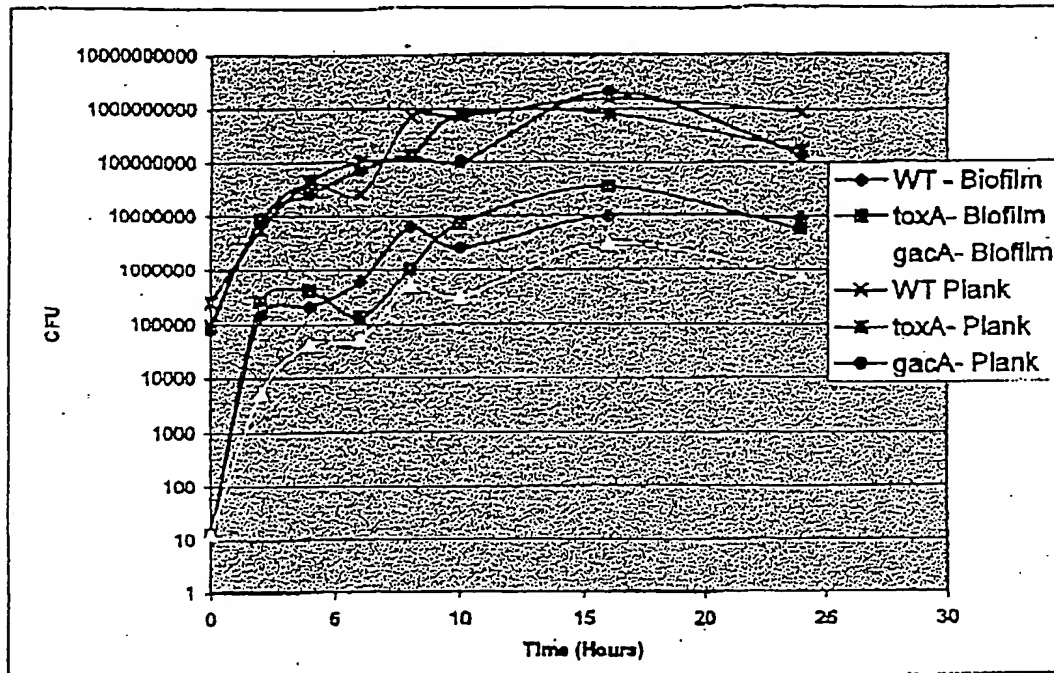


Figure 6: Twitching Motility Assays of *P. aeruginosa* PA14 WT, *toxA*⁻, *gacA*⁻

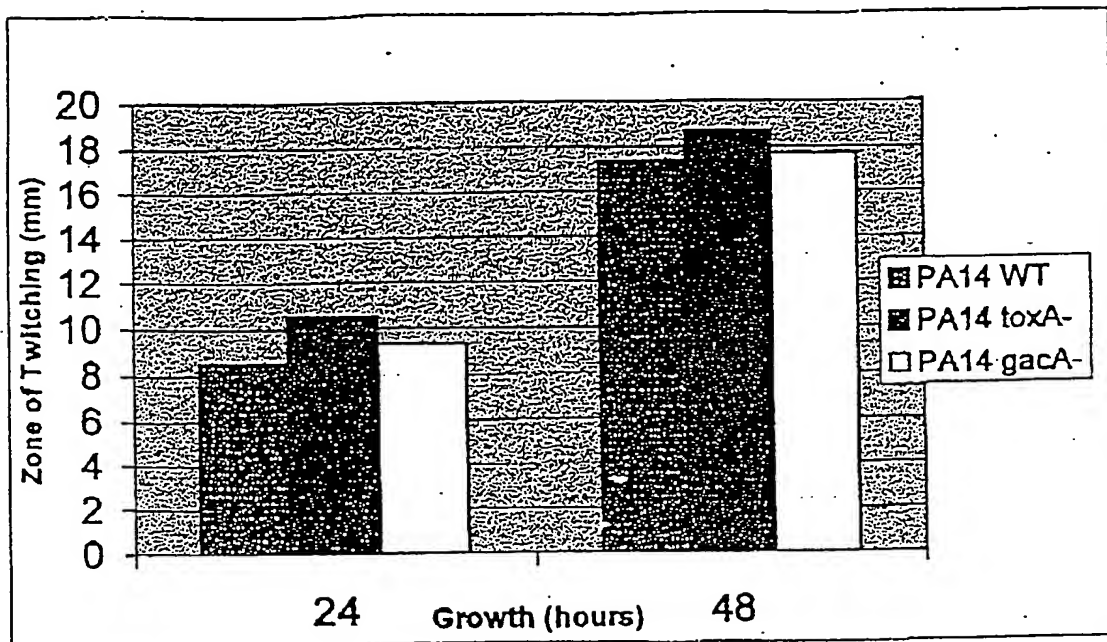


Figure 7: PAI-1 Production by *P. aeruginosa* strains

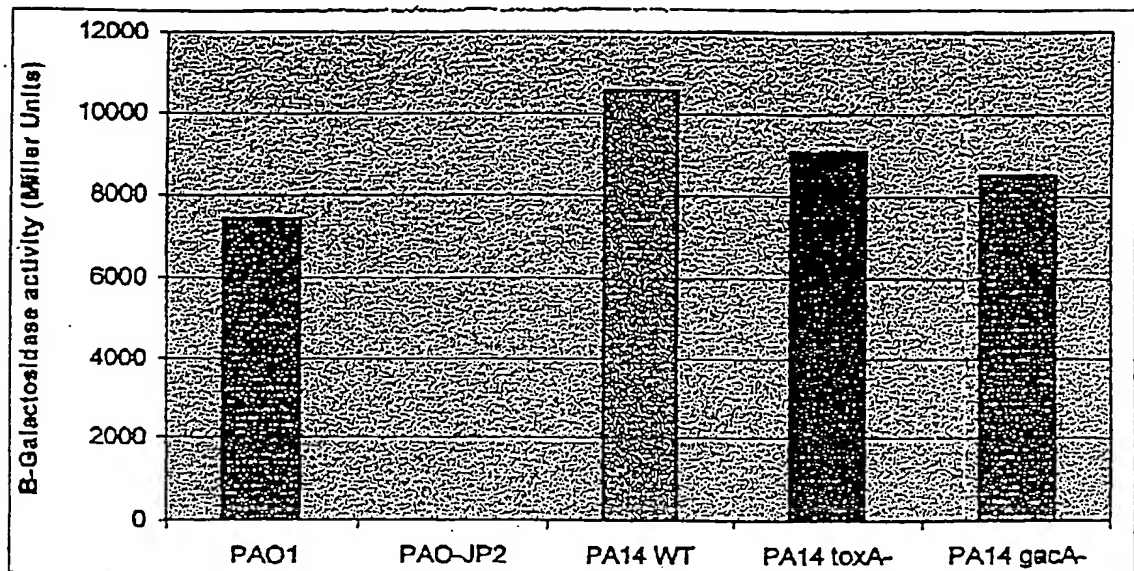
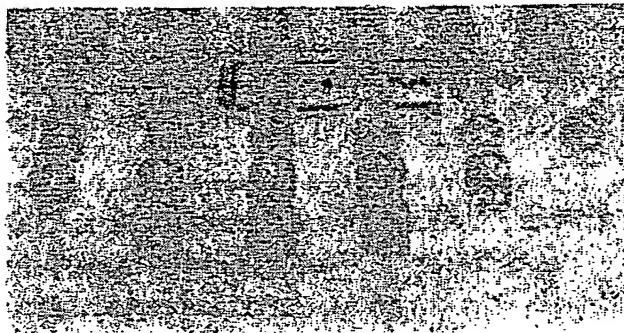


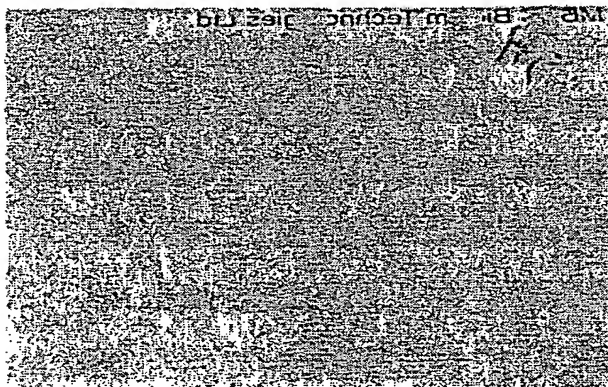
FIGURE 8: *Pseudomonas chloropaphis* O6
Biofilm growth on MBEC device

wild type



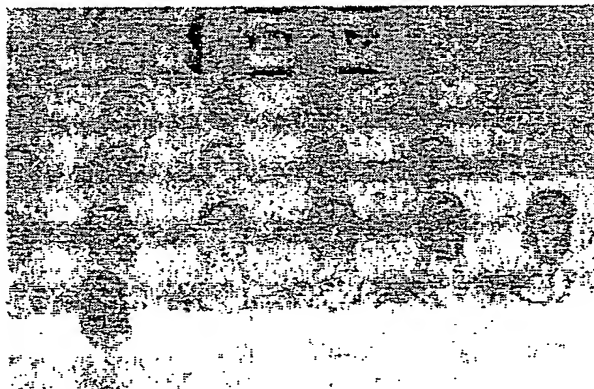
A

gacS- mutant



B

gacS/+ - complemented mutant



C

FIGURE 9:

Pseudomonas chlororaphis O6
Biofilm formation 24h - MBEC

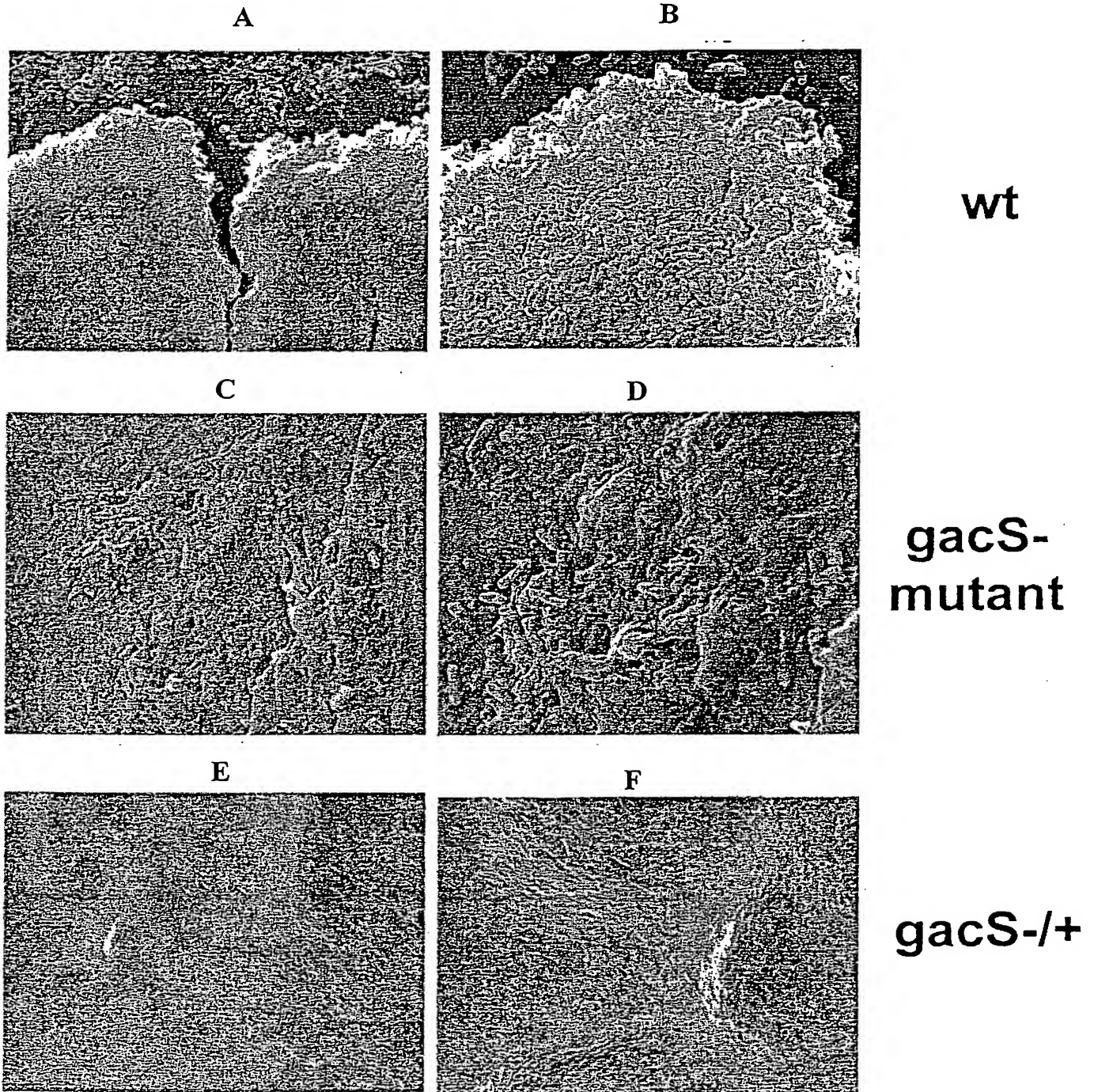


FIGURE 10:

Pseudomonas chlororaphis O6
Biofilm formation 24h - MBEC

